

ABSTRACT

The invention relates to an implant obtained by assembling in vitro various elements in order to form a neo-organ which is introduced preferably in the peritoneal cavity of the recipient. The implant comprises a biocompatible support intended to the biological anchoring of cells; cells having the capacity of expressing and secreting naturally or after recombination a predetermined compound, for example a compound having a therapeutical interest; and a constituent capable of inducing and/or promoting the gelling of said cells. The invention also relates to a kit for the preparation of the implant as well as to a new recombinant retroviral vector comprising a provirus DNA sequence modified in that the genes *gag*, *pol* and *env* have been deleted at least partially so as to obtain a proviral DNA capable of replication. The invention also relates to recombinant cells comprising the new retroviral vector.

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